

Please amend the application as follows.

**IN THE SPECIFICATION:**

Please amend the paragraph at page 6, lines 20-21 of the specification as follows:

The dispersions of the present invention preferably comprise only small amounts of ionic impurities in the limits as described in EP-A 991 303, e.g., containing less than 10 ppm of metal ions and/or less than 10 ppm of anions of inorganic acids. In particular, it is preferred that dispersions according to the present invention contain less than 1 ppm of metal ions and/or less than 1 ppm of anions of inorganic acids..

Please amend the paragraph at page 10, lines 3-9 of the specification as follows.

One (1) liter of a 1.4% by weight 3,4-polyethylenedioxythiophene / polystyrene sulfonate dispersion having a weight ratio of the 3,4-polyethylenedioxythiophene to polystyrenesulfonic acid of 1:8, was prepared as follows. Free polystyrene sulfonic acid (Mn about 40,000) in an amount of 20 grams, 6.7 grams of potassium peroxodisulfate, and 50 mg of iron (III) sulphate were added to 2000 ml of water while stirring. Next, 2.5 grams of 3,4-ethylenedioxythiophene were added while stirring. The dispersion was stirred at room temperature for 24 hours. Subsequently, 100 grams of anion exchange resin LEWATIT® MP 62 (Bayer AG) and 100 grams of cation exchange resin LEWATT® S 200 (Bayer AG), both moist with water, were added and the mixture was stirred for 8 hours. The ion exchange resins were removed from the mixture by filtration through a poly acrylonitrile fabric having a pore size of 50µm, thereby resulting in a dispersion having a solids content of about 1.1% by weight. The dispersion was then subjected to evaporation to obtain a dispersion having a solids content of 1.4 percent by weight. by evaporating a The 1.4 percent by

~~weight~~ 3,4-polyethylenedioxythiophene/polystyrene sulfonate dispersion in accordance with Example 2 from EP-A 991 303 was then homogenized twice using a high-pressure homogenizer at 700 bar and with a nozzle diameter of 0.1 nm.

Please amend the paragraph at page 10, lines 18-27 of the specification as follows.

1700 g of a 1.4% by weight 3,4-polyethylenedioxythiophene/ polystyrene sulfonate solution prepared by evaporation of a 3,4-polyethylenedioxythiophene/polystyrene sulfonate dispersion in accordance with Example 2 from EP-A 991 303, having a weight ratio of the 3,4-polyethylenedioxythiophene to polystyrenesulfonic acid of 1:8, ~~was prepared in accordance with the method as described in Example 1. The 1.4 percent by weight dispersion was mixed with stirring with 659.4 g of a 4.8% by weight aqueous polystyrenesulfonic acid solution in such a way that the weight ratio of 3,4-polyethylenedioxythiophene to polystyrene sulfonate in the solution is was adjusted to 1:20. The resultant solution was homogenized 4 times using a high-pressure homogenizer at 400 bar and with a nozzle diameter of 0.2 mm.~~

Please amend the paragraph at page 11, lines 5 through 14 of the specification as follows.

2000 g of a 1.4% by weight 3,4-polyethylenedioxythiophene/ polystyrene sulfonate solution prepared by evaporation of a 3,4-polyethylenedioxothiophene/polystyrene sulfonate dispersion in accordance with Example 2 of EP-A 991 303, having a weight ratio of the 3,4-polyethylenedioxythiophene to polystyrenesulfonic acid of 1:8, ~~was prepared in accordance with the method as described in Example 1. The 1.4 percent by weight dispersion was mixed with~~

stirring with 259 g of a 4.8% by weight aqueous polystyrenesulfonic acid solution in such a way that the weight ratio of 3,4-polyethylenedioxythiophene to polystyrene sulfonate in the solution is was adjusted to 1:12. The resultant solution was homogenized 4 times using a high-pressure homogenizer at 400 bar and with a nozzle diameter of 0.2 mm.